

**Amendments to the Specification**

Please delete the word “Description” at page 1, line 1.

Please insert the following prior to the paragraph that begins at page 1, line 5:

**1. Field of the Invention**

Please insert the following prior to the paragraph that begins at page 1, line 10:

**2. Description of Prior Art**

Please insert the following prior to the paragraph that begins at page 3, line 11:

**SUMMARY OF THE INVENTION**

Please delete the paragraph that begins at page 3, line 14, which starts with “This object”.

Please delete the sentence that begins at page 3, line 22 and ends at page 3, line 33, which starts with “The invention provides”.

Please insert the following new paragraph at page 4, line 11:

In accordance with one aspect, the invention provides an analogue amplifier with multiplexing capability comprising an input port, a test input port, an output port, a

control input to switch the amplifier between a normal amplifying mode and a test mode, wherein a analogue signal introduced to the input port is amplified to the output port in normal mode, and a test signal on the test port is routed to the output port when the amplifier is in test mode.

Please delete the paragraph that begins at page 4, line 12, which starts with “In a preferred embodiment”.

Please delete the paragraph that begins at page 4, line 22, which starts with “In a preferred embodiment”.

Please delete the paragraph that begins at page 4, line 29, which starts with “In a preferred embodiment”.

Please delete the paragraph that begins at page 5, line 1, which starts with “The amplifier is”.

Please delete the paragraph that begins at page 5, line 10, which starts with “In the following preferred embodiments”.

Please insert the following prior to the paragraph that begins at page 5, line 14:

#### BRIEF DESCRIPTION OF THE DRAWINGS

Please insert the following prior to the paragraph that begins at page 6, line 27:

**DESCRIPTION OF PREFERRED EMBODIMENTS**

Please insert the following new paragraph at page 14, line 26:

While this invention has been described in terms of several preferred embodiments, there are alterations, permutations, and equivalents which fall within the scope of this invention. It should also be noted that there are many alternative ways of implementing the methods and compositions of the present invention. It is therefore intended that the following appended claims be interpreted as including all such alterations, permutations, and equivalents as fall within the true spirit and scope of the present invention.

Please delete the paragraph that starts at page 18, line 1 that begins “list of reference numbers”.